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DATE: Tuesday, November 07, 2006

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DB=PGPB,USPT; PLUR=YES; OP=OR

<input type="checkbox"/>	L4	L3 and bisamide	1
<input type="checkbox"/>	L3	L2 and "tetrahydro-"	142
<input type="checkbox"/>	L2	514/292 and carboline	184
<input type="checkbox"/>	L1	546/81 and carboline	20

END OF SEARCH HISTORY

PP

07/11/2006

Page 1

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10805222

07/11/2006

Page 2

FILE 'HOME' ENTERED AT 14:55:30 ON 07 NOV 2006

=> file registry

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SINCE FILE

ENTRY

TOTAL

SESSION

FULL ESTIMATED COST

0.21

0.21

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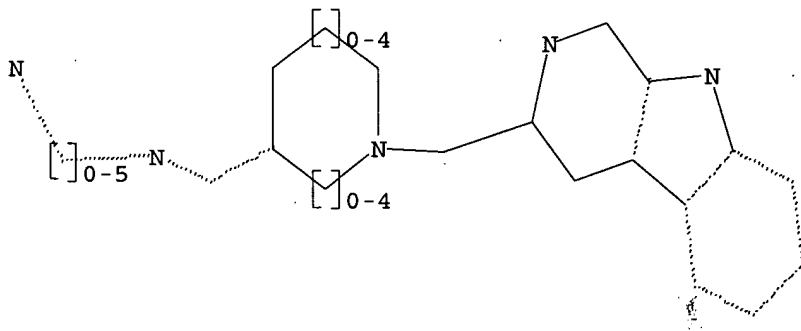
Uploading C:\Program Files\Stnexp\Queries\10805222.str

L1 STRUCTURE UPLOADED

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L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SEARCH INITIATED 14:56:56 FILE 'REGISTRY'

10805222

SAMPLE SCREEN SEARCH COMPLETED - 40 TO ITERATE

100.0% PROCESSED 40 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 421 TO 1179
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 ful
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FULL SCREEN SEARCH COMPLETED - 1023 TO ITERATE

100.0% PROCESSED 1023 ITERATIONS 15 ANSWERS
SEARCH TIME: 00.00.01

L3 15 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 167.38 167.59

FILE 'CAPLUS' ENTERED AT 14:57:04 ON 07 NOV 2006
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FILE COVERS 1907 - 7 Nov 2006 VOL 145 ISS 20
FILE LAST UPDATED: 6 Nov 2006 (20061106/ED)

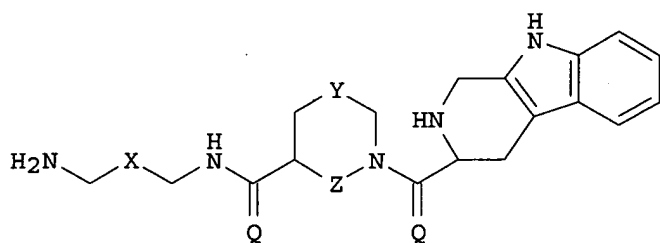
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<http://www.cas.org/infopolicy.html>

=> s l3
L4 5 L3

=> d abs bib hitstr 1-5

L4 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
GI



I

AB Title compds. [I; X = (CH₂)_x; Y = (CH₂)_y; Z = (CH₂)_z; x, y, z = 0-4; Q = O, H₂; R (sic) = H, (substituted) alkyl, aryl, heterocyclyl], were prepared. Thus, title compound I (X, Y, Z = CH₂; Q = O), prepared by solid phase synthesis, was active in rats at 0.3 mg/kg orally in the forced swimming test and the light/dark box test.

AN 2005:1028083 CAPLUS

DN 143:326346

TI Preparation of tetrahydro-β-carbolines for treatment of neurological disease.

IN Burns, Mark R.

PA Mediquest Therapeutics, Inc., USA

SO U.S. Pat. Appl. Publ., 18 pp.

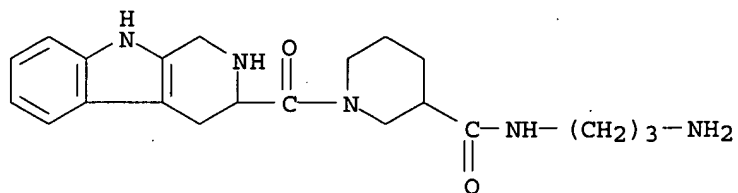
CODEN: USXXCO

DT Patent

LA English

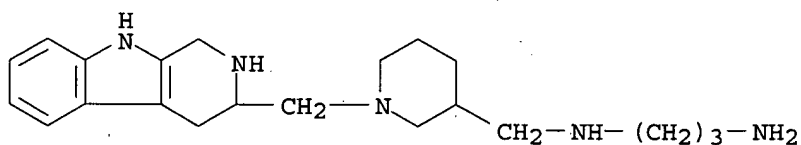
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005209264	A1	20050922	US 2004-805222	20040322
	AU 2005225443	A1	20051006	AU 2005-225443	20050322
	WO 2005092335	A1	20051006	WO 2005-US9360	20050322
	WO 2005092335	B1	20060105		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
PRAI	US 2004-805222	A	20040322		
	WO 2005-US9360	W	20050322		
OS	CASREACT 143:326346; MARPAT 143:326346				
IT	864951-47-3P 864951-48-4P				
	RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)				
	(claimed compound; preparation of tetrahydro-β-carbolines for treatment of neurol. disease)				
RN	864951-47-3 CAPLUS				
CN	3-Piperidinecarboxamide, N-(3-aminopropyl)-1-[(2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indol-3-yl)carbonyl]- (9CI) (CA INDEX NAME)				



RN 864951-48-4 CAPLUS

CN 1,3-Propanediamine, N-[[1-[(2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indol-3-yl)methyl]-3-piperidinyl]methyl]- (9CI) (CA INDEX NAME)



IT 864951-49-5P 864951-50-8P

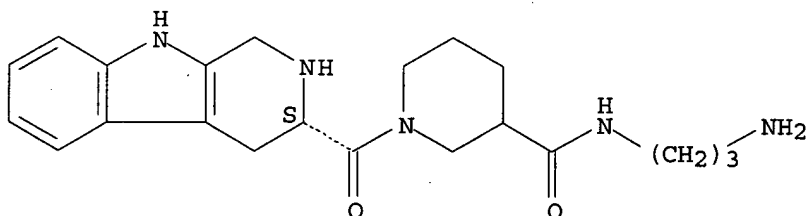
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of tetrahydro-β-carbolines for treatment of neurol. disease)

RN 864951-49-5 CAPLUS

CN 3-Piperidinecarboxamide, N-(3-aminopropyl)-1-[[[(3S)-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indol-3-yl]carbonyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

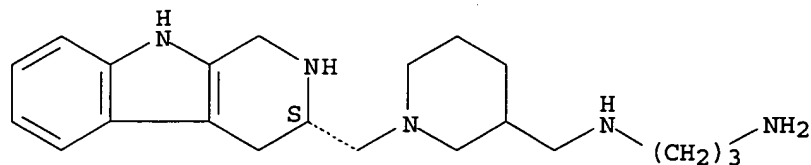


● 2 HCl

RN 864951-50-8 CAPLUS

CN 1,3-Propanediamine, N-[[1-[[[(3S)-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indol-3-yl]methyl]-3-piperidinyl]methyl]-, pentahydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.



● 5 HCl

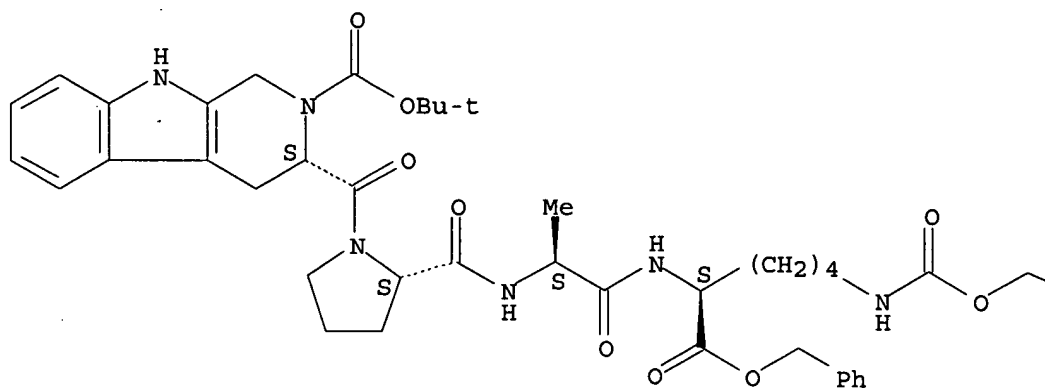
L4 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
 AB The invention relates to conjugates of peptides related to the sequence Ala-Arg-Pro-Ala-Lys (P6A) with (S)-1,2,3,4-tetrahydro-β-carboline-3-carboxylic acid for use as thrombolytic agents. Thus, 3S-1,2,3,4-tetrahydro-β-carboline-3-carboxyl-Ala-Arg-Pro-Ala-Lys-OH (11) was prepared by coupling of H-Ala-Arg(Tos)-Pro-Ala-Lys(ClZ)-OBzl.HCl (Tos = tosyl, ClZ = chlorobenzyloxycarbonyl; preparation given) with (S)-2-Boc-1,2,3,4-tetrahydro-β-carboline-3-carboxylic acid (Boc = tert-butoxycarbonyl), followed by deprotection with HF. Pseudopeptide 11 was assayed for thrombolytic activity in rats, showing a reduction in thrombolytic mass (x) of 14.01 ± 2.61 mg (vs. $x = 18.844 \pm 3.18$ mg for P6A).
 AN 2005:325686 CAPLUS
 DN 142:374115
 TI Preparation of carboline-3-carboxylic acid conjugates with peptide sequences related to Ala-Arg-Pro-Ala-Lys and their use as thrombolytic agent
 IN Peng, Shiqi; Zhao, Ming; Wang, Chao; Wu, Yangfen
 PA Peop. Rep. China
 SO U.S. Pat. Appl. Publ., 29 pp.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2005080015	A1	20050414	US 2003-680293	20031008
PRAI	US 2003-680293		20031008		
OS	CASREACT 142:374115				
IT	666832-04-8P				

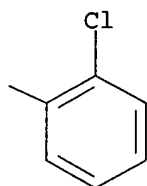
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (preparation of peptide-tetrahydrocarbolinecarboxylic acid conjugates as thrombolytic agents)
 RN 666832-04-8 CAPLUS
 CN L-Lysine, (3S)-2-[(1,1-dimethylethoxy)carbonyl]-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carboxyl-L-prolyl-L-alanyl-N6-[[[2-chlorophenyl)methoxy]carbonyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



IT 666832-21-9P

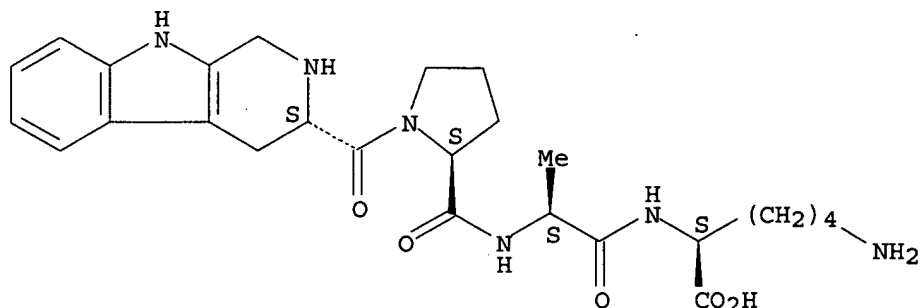
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)

(preparation of peptide-tetrahydrocarbolinecarboxylic acid conjugates as
thrombolytic agents)

RN 666832-21-9 CAPLUS

CN L-Lysine, (3S)-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carbonyl-L-
prolyl-L-alanyl- (9CI) (CA INDEX NAME)

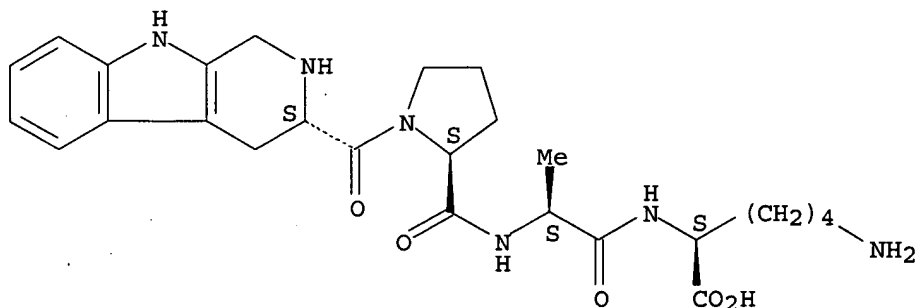
Absolute stereochemistry.



L4 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
 AB From the metabolism of H-Ala-Arg-Pro-Ala-Lys-OH, four metabolites, H-Pro-Ala-Lys-OH, H-Arg-Pro-Ala-Lys-OH, H-Ala-Arg-Pro-OH, and H-Ala-Arg-Pro-Ala-OH were identified. In order to find a new lead compound of thrombolytic peptide, 3S-1,2,3,4-tetrahydro-β-carboline-3-carboxylic acid was introduced to the N- and C-terminal of the metabolites by use of the common coupling strategy. Under this condition, the pseudopeptides were obtained with a good yield. The thrombolytic activities of 3S-1,2,3,4-tetrahydro-β-carboline-3-carboxylic acid containing oligopeptides were evaluated in vitro and in vivo. The result indicated that the thrombolytic activity of the pseudopeptide depended on the sequence and the modification pattern of the metabolites, and only when 3S-1,2,3,4-tetrahydro-β-carboline-3-carboxylic acid was introduced into the C-terminal of H-Pro-Ala-Lys-OH or H-Arg-Pro-Ala-Lys-OH, the desirable thrombolytic activity was retained and enhanced significantly.

AN 2004:114609 CAPLUS
 DN 141:81672
 TI Synthesis and Thrombolytic Activity of Carboline-3-carboxylic Acid Modified Metabolites of Ala-Arg-Pro-Ala-Lys
 AU Zhao, Ming; Wang, Chao; Wu, Yanfen; Zhou, Kexiang; Peng, Shiqi
 CS College of Pharmaceutical Sciences, Peking University, Beijing, Peop. Rep. China
 SO Preparative Biochemistry & Biotechnology (2004), 34(1), 57-76
 CODEN: PBBIF4; ISSN: 1082-6068
 PB Marcel Dekker, Inc.
 DT Journal
 LA English
 OS CASREACT 141:81672
 IT 666832-21-9P 716338-49-7P
 RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (synthesis and thrombolytic activity of carboline-3-carboxylic acid modified metabolites of Ala-Arg-Pro-Ala-Lys)
 RN 666832-21-9 CAPLUS
 CN L-Lysine, (3S)-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carboxyl-L-prolyl-L-alanyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

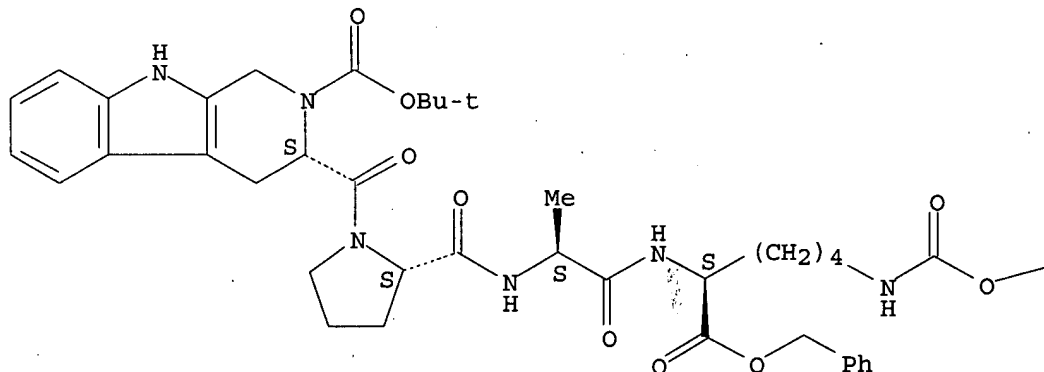


RN 716338-49-7 CAPLUS

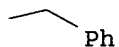
CN L-Lysine, (3S)-2-[(1,1-dimethylethoxy)carbonyl]-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carbonyl-L-prolyl-L-alanyl-N6-[(phenylmethoxy)carbonyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A



PAGE 1-B



RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

AB This invention provides a process of liquid synthesis of fibrin degradation

product P6A derivs. The invention also provides a process of compound of P6A derivs. and carbolinecarboxylic acids. The compound can be used as antithrombics for treating coronary heart disease, brain thrombosis, myocardial infarction, cerebral embolism, lung embolism and venous thrombosis.

AN 2003:652809 CAPLUS

DN 140:231199

TI Synthesis of compounds of fibrin degradation product P6A derivatives and carbolinecarboxylic acid and their use as antithrombics

IN Peng, Shiqi; Zhao, Ming; Wang, Chao; Wu, Yanfang

PA Guangzhou Baiyunshan Pharmaceutical General Factory, Guangzhou Baiyunshan Pharmaceutical Co., Ltd., Peop. Rep. China

SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 34 pp.

CODEN: CNXXEV

DT Patent

LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1373139	A	20021009	CN 2002-100424	20020128
PRAI	CN 2002-100424		20020128		

IT 666832-04-8P 666832-21-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

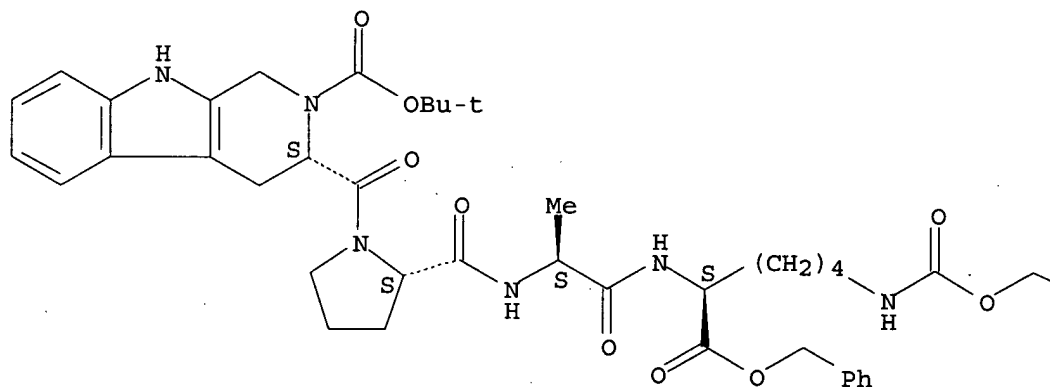
(synthesis of compds. of fibrin degradation product P6A derivs. and carbolinecarboxylic acid and their use as antithrombics)

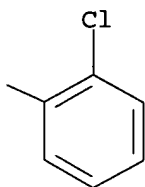
RN 666832-04-8 CAPLUS

CN L-Lysine, (3S)-2-[(1,1-dimethylethoxy)carbonyl]-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carbonyl-L-prolyl-L-alanyl-N6-[[2-chlorophenyl)methoxy]carbonyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

PAGE 1-A

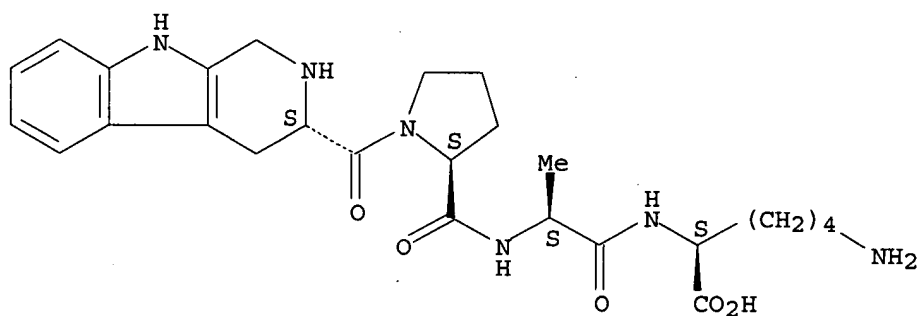




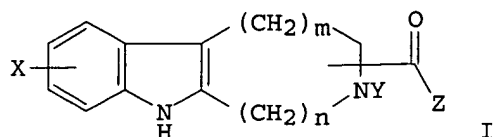
RN 666832-21-9 CAPLUS

CN L-Lysine, (3S)-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indole-3-carbonyl-L-prolyl-L-alanyl- (9CI) (CA INDEX NAME)

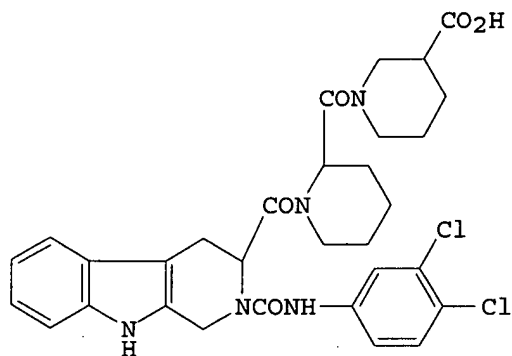
Absolute stereochemistry.



L4 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN
GI



I



II

AB Title compds. [I; X = aryl; Y = H, alkyl, (substituted) aralkyl, acyl, aroyl, heterocyclylcarbonyl, carbamoyl, alkoxy carbonyl, aryloxy carbonyl, aralkoxy carbonyl; Z = (substituted) N-containing heterocyclyl, amino, amino acid residue, peptide residue, etc.; m = 0-3; n = 0-4], were prepared Thus, (3R)-2-tert-butoxycarbonyl-1,2,3,4-tetrahydro-9H-pyrido[3,4-b]indole-3-carboxylic acid in THF at -15° was treated with Et₃N and N,N-bis[2-oxo-3-oxazolinyl]phosphorodiamidic chloride followed by stirring for 20 min. Benzyl N-(L-prolyl)nipecotate was added and the mixture was stirred overnight at ice temperature to give the amide, which was deprotected with CF₃CO₂H followed by acylation with 3,4-dichlorophenyl isocyanate and hydrogenolysis to give title compound II. II bound to CCK-A, CCK-B, and gastrin receptors with IC₅₀'s of 10, 0.111, and 0.026 μM, resp.

AN 1992:256054 CAPLUS

DN 116:256054

TI Preparation of peptide-linked 1,2,3,4-tetrahydro-9H-pyrido[3,4-b]indoles and related compounds as inhibitors of cholecystokinin and gastrin

IN Molino, Bruce F.; Darkes, Paul R.; Ewing, William R.

PA Rorer International (Holdings), Inc., USA

SO PCT Int. Appl., 94 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9200295	A1	19920109	WO 1991-US4236	19910613
	W: AU, CA, JP, US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
	US 5162336	A	19921110	US 1990-573514	19900824
	CA 2068887	AA	19911222	CA 1991-2068887	19910613
	AU 9186116	A1	19920123	AU 1991-86116	19910613
	AU 640277	B2	19930819		
	EP 491943	A1	19920701	EP 1991-916717	19910613
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
PRAI	US 1990-542495	A	19900621		
	US 1990-573514	A2	19900824		
	WO 1991-US4236	A	19910613		

OS MARPAT 116:256054

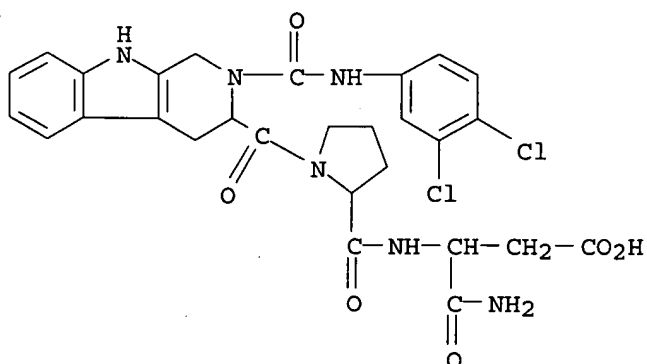
IT 139985-19-6P 139985-36-7P 139986-23-5P

139986-31-5P 140148-66-9P 140148-67-0P

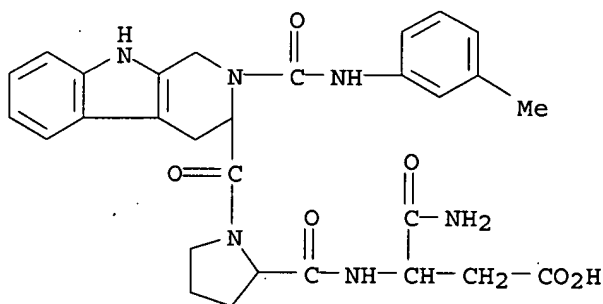
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation of, as cholecystokinin and gastrin antagonist)

RN 139985-19-6 CAPLUS

CN L- α -Asparagine, N2-[1-[[2-[[[(3,4-dichlorophenyl)amino]carbonyl]-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indol-3-yl]carbonyl]-L-prolyl]-, (R)-(9CI) (CA INDEX NAME)

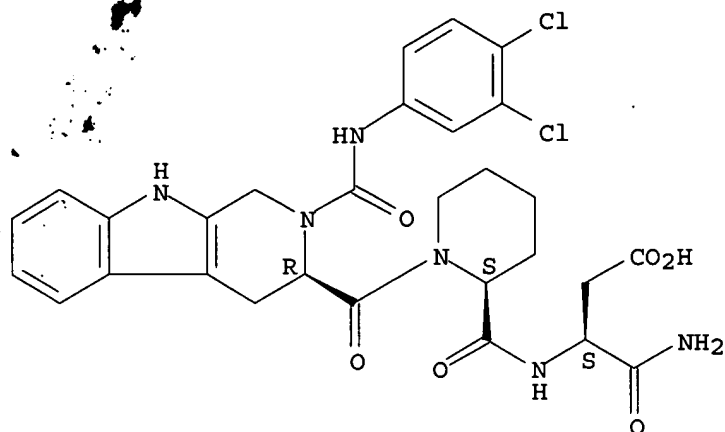
RN 139985-36-7 CAPLUS

CN L- α -Asparagine, N2-[1-[[2,3,4,9-tetrahydro-2-[[[(3-methylphenyl)amino]carbonyl]-1H-pyrido[3,4-b]indol-3-yl]carbonyl]-L-prolyl]-, (R)-(9CI) (CA INDEX NAME)

RN 139986-23-5 CAPLUS

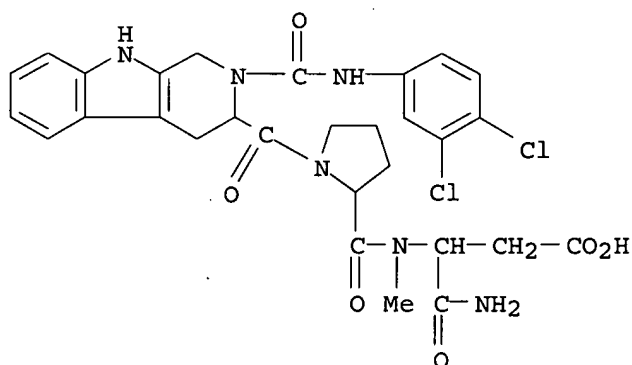
CN Butanoic acid, 4-amino-3-[[[1-[[2-[[[(3,4-dichlorophenyl)amino]carbonyl]-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indol-3-yl]carbonyl]-2-piperidinyl]carbonyl]amino]-4-oxo-, [3R-[3R*[S*(S*)]]]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



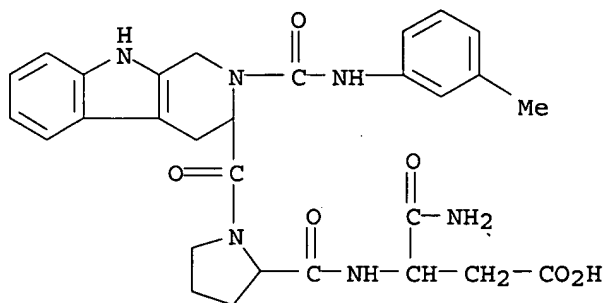
RN 139986-31-5 CAPLUS

CN L-α-Asparagine, N2-[1-[[2-[[[(3,4-dichlorophenyl)amino]carbonyl]-2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indol-3-yl]carbonyl]-L-prolyl]-N2-methyl-, (R)-(9CI) (CA INDEX NAME)



RN 140148-66-9 CAPLUS

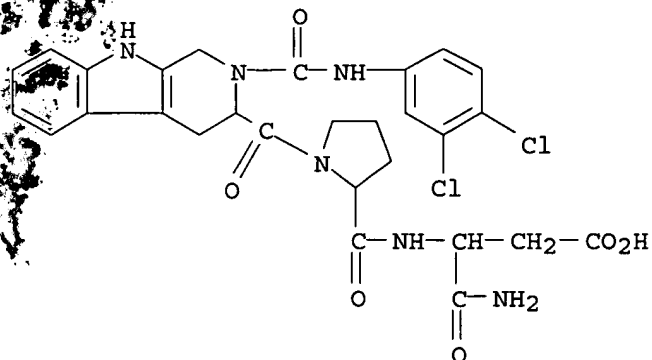
CN D-α-Asparagine, N2-[1-[[2,3,4,9-tetrahydro-2-[[[(3-methylphenyl)amino]carbonyl]-1H-pyrido[3,4-b]indol-3-yl]carbonyl]-D-prolyl]-, (S)-(9CI) (CA INDEX NAME)



RN 140148-67-0 CAPLUS

CN D-α-Asparagine, N2-[1-[[2-[[[(3,4-dichlorophenyl)amino]carbonyl]-

2,3,4,9-tetrahydro-1H-pyrido[3,4-b]indol-3-yl]carbonyl]-D-prolyl]-, (S)-
(9CI) (CA INDEX NAME)



=> file registry
COST IN U.S. DOLLARS

SINCE FILE ENTRY	TOTAL SESSION
28.31	195.90

FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE ENTRY	TOTAL SESSION
-3.75	-3.75

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STRUCTURE FILE UPDATES: 6 NOV 2006 HIGHEST RN 912537-60-1
DICTIONARY FILE UPDATES: 6 NOV 2006 HIGHEST RN 912537-60-1

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<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10805222.str

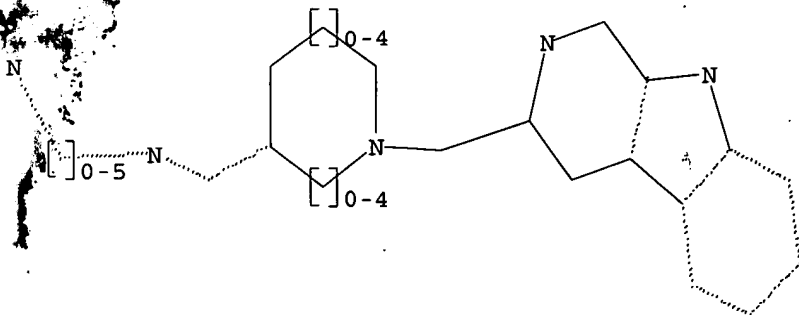
L5 STRUCTURE UPLOADED

10805222

=> d-15

L5 HAS NO ANSWERS

L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 15

SAMPLE SEARCH INITIATED 15:01:11 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 40 TO ITERATE

100.0% PROCESSED 40 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 421 TO 1179

PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L5

=> s 15 ful

FULL SEARCH INITIATED 15:01:21 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1023 TO ITERATE

100.0% PROCESSED 1023 ITERATIONS

15 ANSWERS

SEARCH TIME: 00.00.01

L7 15 SEA SSS FUL L5

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

166.94

362.84

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

0.00

-3.75

FILE 'CAPLUS' ENTERED AT 15:01:25 ON 07 NOV 2006

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FILE LAST UPDATED: 6 Nov 2006 (20061106/ED)

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=> s l7

L8 5 L7

=> d his

(FILE 'HOME' ENTERED AT 14:55:30 ON 07 NOV 2006)

FILE 'REGISTRY' ENTERED AT 14:55:45 ON 07 NOV 2006

L1 STRUCTURE UPLOADED

L2 0 S L1

L3 15 S L1 FUL

FILE 'CAPLUS' ENTERED AT 14:57:04 ON 07 NOV 2006

L4 5 S L3

FILE 'REGISTRY' ENTERED AT 15:00:38 ON 07 NOV 2006

L5 STRUCTURE UPLOADED

L6 0 S L5

L7 15 S L5 FUL

FILE 'CAPLUS' ENTERED AT 15:01:25 ON 07 NOV 2006

L8 5 S L7

=> s l8 not l4

L9 0 L8 NOT L4